

# **Enclosure 3**





STATE OF MISSISSIPPI  
PHIL BRYANT  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RIKARD, EXECUTIVE DIRECTOR

April 27, 2016

Colleen E. Michuda  
Senior Attorney  
Office of RCRA/CERCLA Legal Support  
U.S. Environmental Protection Agency  
61 Forsyth Street, SW  
Atlanta, Georgia 30303404

Re: Mississippi's authorization request regarding its adoption of the mixture and derived-from rules

Dear Colleen:

In September 2014, the Mississippi Department of Environmental Quality ("MDEQ") submitted its request to the U.S. Environmental Protection Agency ("EPA") for authorization of several regulatory changes to Mississippi's RCRA program. MDEQ included in the authorization package a request to be authorized for Checklist 117A which would allow Mississippi to apply the interim mixture and derived from rules ("Interim Rule") EPA promulgated in 1992. While Mississippi adopted the Interim Rule on June 28, 1992, MDEQ did not request EPA authorization until September 2014.

EPA promulgated the final mixture and derived-from rules ("Final Rule"), with two minor revisions, on May 16, 2001. 66 FR 27266. EPA revised the Final Rule on October 3, 2001. 66 FR 50332. On June 20, 2007, MDEQ submitted a final complete program revision application seeking EPA's authorization of program revisions Mississippi adopted between July 1, 2000, and June 30, 2005, which included Mississippi's adoption of the Final Rule with revisions. EPA approved Mississippi's program revisions, including its adoption of the Final Rule, on August 4, 2008. 73 FR 45170.

In light of Mississippi's adoption, and EPA's authorization, of the Final Rule, MDEQ's inclusion of a request to be authorized for Checklist 117A in its September 2014 authorization package was unnecessary.<sup>1</sup> MDEQ proposes to withdraw its request to be authorized for Checklist 117A from its September 2014 authorization package.

<sup>1</sup> Jerry Banks, the recently retired Director of MDEQ's Groundwater Assessment and Remediation Division, left notes describing the status of various regulation changes including where the changes were in the authorization process. See Enclosure. Mr. Banks included Checklist 117A in his notes as not having been submitted for EPA authorization. Enclosure, pp. 5, 13. However, Mr. Banks acknowledged that EPA had authorized Mississippi for

LEGAL DIVISION

POST OFFICE BOX 2261 • JACKSON, MISSISSIPPI 39225-2261 • TEL: (601) 961-5171 • FAX: (601) 961-5349 • [www.deq.state.ms.us](http://www.deq.state.ms.us)  
AN EQUAL OPPORTUNITY EMPLOYER

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa T. Ouzts", with a long horizontal flourish extending to the right.

Lisa T. Ouzts  
Senior Attorney

---

Checklists 192A (final mixture and derived from rules, 66 FR 27266 (May 16, 2001) and 194 (mixture and derived from rules revision II (66 FR 50332 October 3, 2001)). Enclosure p. 8 and unnumbered page after p. 13. In reviewing Mr. Banks's notes, it appears he was attempting to pick up checklists that MDEQ had not submitted for authorization and inadvertently included Checklist 117A, authorization which was not only optional according to EPA's Checklist 117A Summary ("Revision Checklist 117 A is an optional checklist and was developed for those States who feel it necessary to adopt the reissued mixture and derived-from rule promulgated on March 3, 1992 (57 FR 7628)), but also moot because of Mississippi's adoption of the final mixture and derived from rule.

## **MISSISSIPPI**

### **AUTHORIZATION SUMMARY REVIEW**

I have reviewed all available documents in our files related to the state's authorization status regarding RCRA. In this regard I have specifically gone back and reviewed authorization applications and attorney general statements. The records for the authorization applications in the 1983 to 1986 time frame do not provide much information other than a number of attorney general statements from the time frame but little documentation of what additional information was submitted to EPA in these authorization applications.

The following is my analysis of Mississippi's RCRA Authorization Status in comparing it to the information in EPA's Authorization Web Site.

- 1) Non-HSWA Requirements prior to Non-HSWA Cluster I (January 26, 1983 – June 30, 1984):  
Non-HSWA Cluster I (July 1, 1984 – June 30, 1985):  
Non-HSWA Cluster II (July 1, 1985 – June 30, 1986):  
Non-HSWA Cluster III (July 1, 1986 – June 30, 1987):  
Non-HSWA Cluster IV (July 1, 1987 – June 30, 1988):

#### **ADOPTED ALL REGULATIONS AND AUTHORIZED**

**Checklists IA, IB, IC, II, III, IVA, IVB, V, AI, MW,  
Checklists 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13/13.1/13.2  
Checklists MW (Radioactive Mixed Waste)  
Checklists 24/24.1, 24A, 26/26.1/26.2, 27, 28N/28N.1, 29, 35, 36, 37, 38/38.1, 40, 41,  
43, 45, 46**

- 2) Non-HSWA Cluster V (July 1, 1988 – June 30, 1989)

#### **ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 49, 52N, 53, 54/54.1, 55, 56, 57, 58, 59, 60**

**NOT AUTHORIZED:**

**CHECKLIST 61 (Non-HSWA) – Cannot determine if we applied or not?  
54 FR 9596 3/7/89 (Changes to Interim Status Facilities)**

- 3) Non-HSWA Cluster VI (July 1, 1989 – June 30, 1990)

#### **ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 64, 65, 67, 71, 72, 73, 76, 78N**

**NOT AUTHORIZED:**

**CHECKLIST 70 (Non-HSWA) – Cannot determine if we applied or not?  
48 FR 14146 4/1/83 (Changes to Part 124)**

4)HSWA Cluster I (November 8, 1984 – June 30, 1987)

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:** Checklists 14, 16, 17A, 17B/17B.1, 17C, 17D, 17E, 17F, 17G, 17H, 17I, 17J, 17K, 17M, 17N, 17O, 17Q, 17R, 17S, 18, 19/19.1, 20/20.1, 21, 22, 23, 25, 28H/28H.1, 30, 31, 32, 33, 34/34.1

**NOT AUTHORIZED FOR:**

SR1 – Applied for in HSWA I, see AG Statement of 3/31/94 (HSWA)  
**(Existing and Newly Regulated Surface Impoundments)**

SR2 – Applied for in HSWA I, see AG Statement of 3/31/94 (HSWA)  
**(Surface Impoundment Variance under 3005(j)(2-9) and 13)**

BB – Applied for in HSWA I, see AG Statement of 3/31/94 (HSWA)  
**(Exceptions to the Burning and Blending of Hazardous Wastes)**

CP – Applied for in HSWA I, see AG Statement of 3/31/94 (HSWA)  
**(Hazardous and Used Oil Fuel Criminal Penalties)**

**For SR1, SR2, BB, and CP above:**

Public Notice of 3/18/94 says authorized for all of HSWA I except 17L and 17P

17L – Applied for and denied in HSWA I, see AG Statement of 3/31/94 (HSWA)  
**(HSWA Codification Rule: Corrective Action)**

17P – Applied for and denied in HSWA I, see AG Statement of 3/31/94 (HSWA)  
**(HSWA Codification Rule: Interim Status)**

**SI – CANNOT CONFIRM IF THIS WAS ADDRESSED**  
**(Sharing information with ATSDR)**



5) HSWA Cluster II (July 1, 1987 – June 30, 1990):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:** Checklists 39/39.1, 42, 44A, 44D, 44E, 44F, 44G, 47, 48, 50/50.1, 52H, 62, 63, 66/66.1, 68, 69, 74/74.1, 75, 77, 78, 79

**NOT AUTHORIZED FOR:**

44B - Did not apply for (HSWA)  
(HSWA Codification Rule 2: Corrective Action Beyond Facility Boundary)

44C - Did not apply for (HSWA)  
(HSWA Codification Rule 2: Corrective Action for Injection Wells)

52 FR 45788 12/1/87

6) RCRA Cluster I (July 1, 1990 – June 30, 1991):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:** Checklists 80/80.1/80.2, 81/81.1, 82, 83, 83, 84, 86, 87, 90, 91?

**NOT AUTHORIZED FOR:**

85 - Applied for BIF in separate application May 3, 1992 and denied  
(HSWA and Non-HSWA) {BIF} 56 FR 7567 2/21/91

88 - Not Authorized (Non-HSWA) 56 FR 19951 5/1/91  
(Administrative Stay of K069)  
Cited in AG Statement - 10/23/92, could not confirm Checklist submitted

89 - Not Authorized (HSWA) 56 FR 21955 5/13/91  
(Revision of F037 and F038)  
Cited in AG Statement - 10/23/92, could not confirm Checklist submitted

7) RCRA Cluster II (July 1, 1991 – June 30, 1992):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 92, 95, 99, 100, 102, 103, 104, 106**

**NOT AUTHORIZATION FOR:**

94 - 56 FR 32688 7/17/91 (Did not apply) (HSA and Non-HSA) {BIF}

96 - 56 FR 42504 8/27/91 (Did not apply) (HSA and Non-HSA) {BIF}

97 - 56 FR 43704 9/4/91 (HSWA) Cited in AG Statement 7/16/93  
(Miscellaneous Cluster)  
**(Exports of Hazardous Waste – Technical Correction)**

98 - 56 FR 43874 9/5/91 (HSWA) Cannot confirm Checklist submitted  
(Coke Ovens : Administrative Stay)

105 57 FR 27880 6/22/92 (HSWA) Cannot confirm Checklist submitted but  
Cited in AG Statement 12/12/94  
(Coke By-Products Exclusion)



8)RCRA Cluster III (July 1, 1992 – June 30, 1993):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 107, 108, 109, 110, 112, 113/113.1/113.2, 115, 118, 119/119.1, 120, 122/122.1, 124**

**NOT AUTHORIZED FOR:**

111 - 57 FR 38558 - 8/25/92 (Did not apply) (HSWA and Non-HSWA) {BIF}

114 - 57 FR 44999 - 9/30/92 (Did not apply) (HSWA and Non-HSWA) {BIF}

116 - 57 FR 47772 - 10/20/92 (Did not apply) (HSWA)  
**(Hazardous Soil Case-by-Case Capacity Variance)**

117A - 57 FR 7628 - 3/3/92 (Did not apply) (HSWA and Non-HSWA)  
**(Mixture and Derived From Rules)**

117A1 - 57 FR 23062 - 6/1/92 (Did not apply) (HSWA and Non-HSWA)  
**(Mixture and Derived From Rules – Technical Correction)**

117A2 - 57 FR 49278 - 10/30/92 (Did not apply) (HSWA and Non-HSWA)  
**(Mixture and Derived From Rules – Final Rule)**

117B - 57 FR 23062 - 6/1/92 (Did not apply) (HSWA)  
**(Toxicity Characteristic Revision)**

121 - 58 FR 8658 - 2/16/93 (Applied for) (HSWA) Checklist and Cited in AC  
6/13/95  
**(CAMU and Temp Units, Corrective Action Provisions)**

123 - 58 FR 28506 - 5/14/93 (Did not apply) (HSWA)  
**(LDR-Renewal of Hazardous Waste Debris Case-by-Case Variance)**

9)RCRA Cluster IV (July 1, 1993 – June 30, 1994):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 126 , 128, 129, 130, 131, 132, 133, 134**

**NOT AUTHORIZED FOR:**

125 58 FR 38816 7/20/93 (Did not apply) (HSWA and Non-HSWA) {BIF}

126.1 58 FR 46040; 8/31/93 Cited in 2/29/96 AG Statement

59 FR 47980 9/19/94 (HSWA)

**(Hazardous Waste Management System, Testing and Monitoring  
Activities, LDR Correction)**

127 58 FR 59598 11/9/93 (Did not apply) (HSWA) {BIF – Bevill Residues}

10)RCRA Cluster V (July 1, 1994 – June 30, 1995):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 135, 136, 137/137.1, 139, 140/140.1/140.2, 141, 142A,  
142B, 142C, 142E, 144**

**NOT AUTHORIZED FOR:**

142D 60 FR 25492 5/11/95 (Non-HSWA)

(Checklist submitted and cited in 3/26/99 AG Statement)

**(Universal Waste Rule)**

11)RCRA Cluster VI (July 1, 1995 – June 30, 1996):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR: Checklists 145, 148, 150, 151/151.1/151.2/151.3/151.4/151.5/  
151.6,**

**NOT AUTHORIZED FOR:**

152 61 FR 16290 4/12/96 (HSWA)

The Checklist and regulations are included in the application  
but I saw no citation in the AG Statement.

**(Imports & Exports of HW; Implement OECD Council  
Decision)**

12)RCRA Cluster VII (July 1, 1996 – June 30, 1997)

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:**      **Checklists 153, 154/154.1/154.2/154.3/154.4/154.5/154.6  
155, 156, 157, 158, 159**

13)RCRA Cluster VIII (July 1, 1997 – June 30, 1998):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:**      **Checklists 160, 161, 162, 163, 164, 166/166.1, 167A, 167B,  
167C/167C.1, 167F, 168**

**NOT AUTHORIZED FOR:**

167D    63 FR 31266 6/8/98 **(Mineral Processing Secondary Materials Exclusion)**  
(Non-HSWA)  
(Appears Checklist was unintentionally left out but cited in 4/20/04 AG  
Statement)

167F    63 FR 31266 6/8/98 **(Bevill Exclusion Revisions/Clarification)(Non-HSWA)**  
(Applied for    Checklist and cited in 4/20/04 AG  
Statement)

14)RCRA Cluster IX (July 1, 1998 – June 30, 1999):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:**    **Checklists 169, 170, 171, 174, 175, 176, 177, 178, 179, 180**

**NOT AUTHORIZED FOR:**

172    63 FR 48124    9/9/98 (HSWA)  
(Checklist and cited in 4/20/04 AG Statement)  
**(Emergency Revision of LDR Treatment Standards)**

173    63 FR 51254    9/24/98 (HSWA)  
(Checklist and cited in 4/20/04 AG Statement)  
**(LDR Treatment Standards:Spent Potliners)**

15)RCRA Cluster X (July 1, 1999 – June 30, 2000):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:**      **Checklists 181, 182/182.1, 183, 184, 185, 187**

**NOT AUTHORIZED FOR:**

Checklist 186 65 FR 42292 7/10/00 (Non-HSWA)  
(Some info says not applicable-not sure why not authorized)  
**(Amendment to Streamline NPDES Program Regs, Round 2)**

16)RCRA Cluster XI (July 1, 2000 -- June 30, 2001):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:**      **Checklists 188/188.1/188.2, 189, 190, 191, 192A, 193**

**NOT AUTHORIZED FOR:**

Checklist 192/192B 66 FR 27266 5/16/01 (HSWA) **(LDR Correction)**  
**Submitted in Final RCRA Clusters XI through XV to EPA on May 21, 2007**

17)RCRA Cluster XII (July 1, 2001 – June 30, 2002):

**ADOPTED ALL REGULATIONS**

**AUTHORIZED FOR:**      **Checklists 194, 195/195.1, 197, 198, 199**

**NOT AUTHORIZED FOR:**

Checklist 196 67 FR 2962 1/22/02 (Applied for) (HSWA)  
**(CAMU Amendments)**

**Submitted in Final RCRA Clusters XI through XV to EPA on May 21, 2007**

18)CRA Cluster XIII (July 1, 2002 – June 30, 2003):

**ADOPTED ALL REGULATIONS AND AUTHORIZED**

19)RCRA Cluster XIV (July 1, 2003 – June 30, 2004):

**ADOPTED ALL REGULATIONS AND AUTHORIZED**

20)RCRA Cluster XV (July 1, 2004 – June 30, 2005):

**ADOPTED ALL REGULATIONS**

**Authorized for Checklists 205, 206 and 207**

**AUTHORIZATION APPLICATION:**

**Submitted Draft of Revised RCRA Cluster XV and Clusters XVI, XVII, and XVIII  
To EPA on December 5, 2008 for:**

Checklist 206/206.1 (HSWA), 207/207.1, 208 (HSWA and Non-HSWA)

21)RCRA Cluster XVI (July 1, 2005 – June 30, 2006):

**ADOPTED ALL REGULATIONS**

**AUTHORIZATION APPLICATION:**

**Submitted Draft of Revised RCRA Cluster XV and Clusters XVI, XVII, and XVIII  
To EPA on December 5, 2008 for:**

Checklist 208.1, 209, 210, 211 (Non-HSWA), 212, 213 (HSWA and Non-HSWA)

22)RCRA Cluster XVII (July 1, 2006 – June 30, 2007):

**ADOPTED ALL REGULATIONS**

**AUTHORIZATION APPLICATION:**

**Submitted Draft of Revised RCRA Cluster XV and Clusters XVI, XVII, and XVIII  
To EPA on December 5, 2008 for:**

Checklist 214 (Non-HSWA), 215 (HSWA)

23)RCRA Cluster XVIII (July 1, 2007 – June 30, 2008):

**ADOPTED ALL REGULATIONS**

**AUTHORIZATION APPLICATION:**

**Submitted Draft of Revised RCRA Cluster XV and Clusters XVI, XVII, and XVIII  
To EPA on December 5, 2008 for:**

Checklist 216 (Non-HSWA), 217 (HSWA and Non-HSWA), 218 (Non-HSWA)

24)RCRA Cluster XIX (July 1, 2008 – June 30, 2009):

**ADOPTED ALL REGULATIONS**

**AUTHORIZATION APPLICATION:**

**Submitted Draft of RCRA Cluster XIX, XX, and XXI To EPA  
on October 11, 2011 for:**

Checklist 219 – (Non-HSWA), Checklist 220 – (Non-HSWA),  
Checklist 221 – Rule withdrawn (Non-HSWA)



25)RCRA Cluster XX (July 1, 2009 – June 30, 2010):

**ADOPTED ALL REGULATIONS**

AUTHORIZATION APPLICATION BEING PREPARED FOR:

Checklist 222 (Non-HSWA)

Checklist 223 (HSWA and Non-HSWA)

Checklist 224 (Non-HSWA)

26)RCRA Cluster XXI (July 1, 2010 – June 30, 2011):

**ADOPTED ALL REGULATIONS**

AUTHORIZATION APPLICATION BEING PREPARED FOR:

Checklist 225 (Not Available)

Checklist 226

Checklist 227

**CHECKLISTS APPLIED FOR AND NOT AUTHORIZED**

- SR1 Existing and newly regulated surface impoundments
- SR2 Variance under §3005(j)(2) (9) and (13)
- BB Exceptions to Burning and Blending of Hazardous Waste
- CP Hazardous and Used Oil Fuel Criminal Penalties
- 17L Corrective Action
- 17P Interim Status
- 85 Burning of Hazardous Waste in Boilers and Industrial Furnaces (BIF)
- 121 Corrective Action Management Units and Temporary Units
- 142D Specific Provisions for Thermostats
- 167E Bevill Exclusion Revisions and Clarification
- 172 Land Disposal Restrictions Phase IV – Extension of Compliance Date for Characteristic Slags
- 173 Land Disposal Restrictions; Treatment Standards for Spent Potliners from Primary Aluminum Reduction (K088); Final Rule

**CHECKLISTS NOT FOUND IN AUTHORIZATION APPLICATION**  
**BUT**  
**CITED IN ATTORNEY GENERAL STATEMENT**

- 88 Administrative Stay for K069 Listing
- 89 Revision to F037 and F038 Listings
- 97 Exports of Hazardous Waste; Technical Correction
- 105 Recycled Coke By-Product Exclusion
- 167D Mineral Processing Secondary Materials Exclusion

**CHECKLISTS AND REGULATIONS FOUND IN AUTHORIZATION APPLICATION**  
**BUT**  
**NOT CITED IN ATTORNEY GENERAL STATEMENT**

- 152 Imports and Exports of Hazardous Waste: Implementation of OECD Council Decision

**CAN NOT DETERMINE OR DID NOT**  
**MAKE**  
**AUTHORIZATION APPLICATION**

- 61 Changes to Interim Status Facilities for Hazardous Waste Management Permits; Modification of Hazardous Waste Management Permits; Procedures for Post-Closure Permitting
- 70 Changes to Part 124 Not Accounted for by Present Checklists
- SI Sharing of Information with the Agency for Toxic Substances and Disease Registry
- 44B Corrective Action Beyond Facility Boundary
- 44C Corrective Action for Injection Wells
- 94 Burning of Hazardous Waste in Boilers and Industrial Furnaces; Corrections and Technical Amendments I
- 96 Burning of Hazardous Waste in Boilers and Industrial Furnaces; Corrections and Technical Amendments II
- 98 Coke Ovens Administrative Sta
- 111 Burning of Hazardous Waste in Boilers and Industrial Furnaces; Corrections and Technical Amendments III
- 114 Burning of Hazardous Waste in Boilers and Industrial Furnaces; Corrections and Technical Amendments IV
- 116 Hazardous Soil Case-by-Case Capacity Variance
- 117A Reissuance of "Mixture" and "Derived From" Rules
- 117A.1 "Mixture" and "Derived From" Rules; Technical Correction
- 117A.2 "Mixture and "Derived From" Rules; Final Rule
- 117B Toxicity Characteristic Amendment
- 123 Land Disposal Restrictions; Renewal of the Hazardous Waste Debris Case-by-Case Capacity Variance
- 124 Boiler and Industrial Furnaces; Changes for Consistency with New Air Regulations
- 126.1 Testing and Monitoring Activities (Included on Revision Checklist 126)
- 127 Boilers and Industrial Furnaces; Administrative Stay and Interim Standards for Bevill Residues
- 186 Amendments to Streamline the National Pollutant Elimination System Program Regulations: Round Two ( Not applicable to State Programs)

# MISSISSIPPI

## HAZARDOUS WASTE PROGRAM AUTHORIZATION

| <u>APPLICATIONS</u>          | <u>TIME PERIOD</u> | <u>AUTHORIZATION</u>  |
|------------------------------|--------------------|-----------------------|
| Base Program                 | Begin – 6/30/83    | June 27, 1984         |
| Non-HSWA Rules               | 7/1/83 – 6/30/84   | October 17, 1988      |
| Non-HSWA Cluster I           | 7/1/84 – 6/30/85   | October 17, 1988      |
| Non-HSWA Cluster II          | 7/1/85 – 6/30/86   | October 17, 1988      |
| Non-HSWA Cluster III         | 7/1/86 – 6/30/87   | May 28, 1991          |
| Non-HSWA Cluster IV          | 7/1/87 – 6/30/88   | October 9, 1990       |
| Non-HSWA Cluster V           | 7/1/88 – 6/30/89   | May 28, 1991          |
| Non-HSWA Cluster VI          | 7/1/89 – 6/30/90   | June 7, 1993          |
| HSWA Cluster I               | 11/8/84 – 6/30/87  | May 17, 1994          |
| (Excludes Corrective Action) |                    |                       |
| HSWA Cluster II              | 7/1/87 – 6/30/90   | December 20, 1993     |
| (Excludes Corrective Action) |                    |                       |
| RCRA Cluster I               | 7/1/90 – 6/30/91   | June 7, 1993          |
| RCRA Cluster II              | 7/1/91 – 6/30/92   | July 31, 1995         |
| RCRA Cluster III             | 7/1/92 – 6/30/93   | October 30, 1995      |
| RCRA Cluster IV              | 7/1/93 – 6/30/94   | April 25, 2005        |
| RCRA Cluster V               | 7/1/94 – 6/30/95   | April 25, 2005        |
| RCRA Cluster VI              | 7/1/95 – 6/30/96   | April 25, 2005        |
| RCRA Cluster VII             | 7/1/96 – 6/30/97   | April 25, 2005        |
| RCRA Cluster VIII            | 7/1/97 – 6/30/98   | April 25, 2005        |
| RCRA Cluster IX              | 7/1/98 – 6/30/99   | April 25, 2005        |
| RCRA Cluster X               | 7/1/99 – 6/30/00   | April 25, 2005        |
| RCRA Cluster XI              | 7/1/00 – 6/30/01   | Oct. 3, 2008          |
| RCRA Cluster XII             | 7/1/01 – 6/30/02   | Oct. 3, 2008          |
| RCRA Cluster XIII            | 7/1/02 – 6/30/03   | Oct. 3, 2008          |
| RCRA Cluster XIV             | 7/1/03 – 6/30/04   | Oct. 3, 2008          |
| RCRA Cluster XV              | 7/1/04 – 6/30/05   | Oct. 3, 2008          |
| RCRA Cluster XV REVISED      | 7/1/04 – 6/30/05   | Draft 12/5/08 to EPA  |
| RCRA Cluster XVI             | 7/1/05 – 6/30/06   | Draft 12/5/08 to EPA  |
| RCRA Cluster XVII            | 7/1/06 – 6/30/07   | Draft 12/5/08 to EPA  |
| RCRA Cluster XVIII           | 7/1/07 – 6/30/08   | Draft 12/5/08 to EPA  |
| RCRA Cluster XIX             | 7/1/08 – 6/30/09   | Draft 10/11/11 to EPA |
| RCRA Cluster XX              | 7/1/09 – 6/30/10   | Draft 10/11/11 to EPA |
| RCRA Cluster XXI             | 7/1/10 – 6/30/11   | Draft 10/11/11 to EPA |
| RCRA Misc Cluster            | *****              | Draft 10/11/11 to EPA |
| RCRA Cluster XXII            | 7/1/11 – 6/30/12   |                       |
| RCRA Cluster XXIII           | 7/1/12 – 6/30/13   |                       |

\*\*\*\* State submittal of missed regulations over the years to update authorization